

## ABSTRACT

An improved water purification system for production of USP purified water and/or USP water for injection include backwashable, chlorine tolerant microfilter or ultrafilter for initial filtration of the feed water (10). The filtrate from the filter (18)  
5 is provided to a dechlorinator (18) prior to being subjected to an optional, reverse osmosis membrane unit (60) and then to a still (66) which discharges purified water at USP standards for purified water or water for injection.